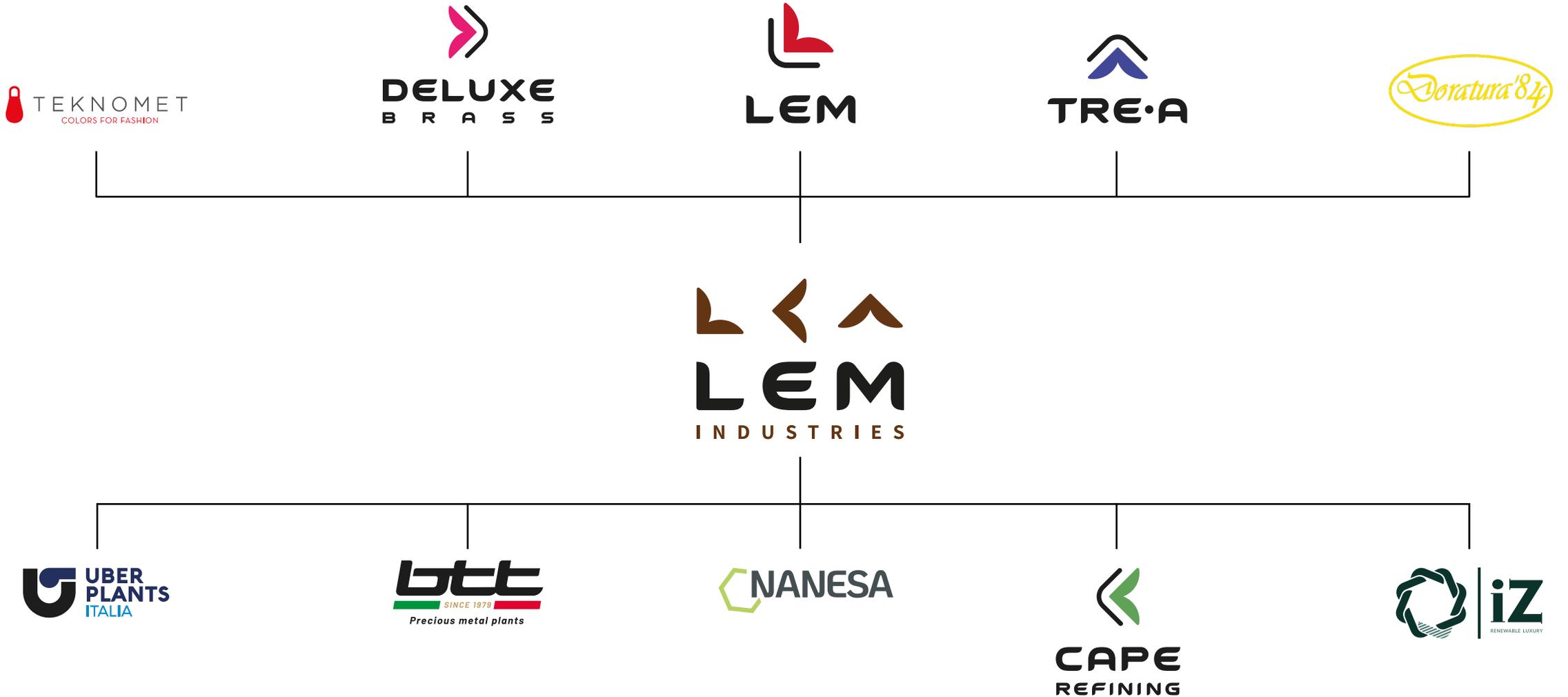




Company Profile

LEM INDUSTRIES ECOSYSTEM



ONE GROUP, ONE SINGLE REALITY



LEM INDUSTRIES represents the result of determination, relentless efforts, foresight. A Holding company established thanks to the determination of its Sole Director, Mr. Daniele Guldani, who has been able to listen to market requirements by investing in research and development of new technologies.

A reality that has chosen technological innovation, enhancement and protection of human resources' potential as its core milestones. A Group that has customers' requirements' satisfaction as its core business and that has developed itself thanks to the analysis and monitoring of market trends.

LEM INDUSTRIES core business consists in several Companies operating in different fields of the wide and multifarious sector of manufacturing and finishing of accessories for premium fashion and luxury brands; at the same time, thanks to the diversified investments of the Holding company, our Group has become a leading enterprise in the fields of green economy and technological innovation for the industrial sector.

Any Holding member company has its own story, its own company headquarters – located within a wide area ranging from Tuscany to Emilia, up to South Africa – but it pursues a common goal: that is offering quality as well as identifiable services and products.

“

The most advanced sectors have shown an increasing need for “global operators” and “bodies granting supply-chain protection” in order to supply the market with original, safe and fair services and products.

”

Daniele Guldani

OUR STORY



Establishment of
LEM
1974

APRIL



LEM sets up
LEM LAB
2008

JANUARY



Establishment of
LG SPA
2010

SEPTEMBER



TRE-A joins
the Group
2015

FEBRUARY



BTT joins
the Group
2018

JULY

JULY
2007

Establishment of
ZAMAK



JULY
2008

Establishment of
DELUXE BRASS



JULY
2013

Establishment of
TEKNOMET



JULY
2016

Establishment of
UBERPLANTS ITALIA





LG SPA becomes LEM INDUSTRIES SPA and a new Group image is developed



X-PLATING opens SPAXIO 22

2019

JANUARY



Establishment of CAPE REFINING

2019

JUNE



Establishment of IZ

2021

MARCH



NANESA joins the Group

2022

JULY

DECEMBER 2018

In line with the new Group image



change their image

MARCH 2019

UBERPLANTS ITALIA changes image



MAY 2020

TRE-A changes image



DECEMBER 2021

DORATURA '84 joins the Group



JANUARY 2023

X-PLATING is incorporated into LEM





VISION

Our vision includes contributing to the creation of more and more innovative and cross-sectoral know-how, so as to balance the different peculiarities of the Group and of the local territories, where member companies are based. Enhancing people and their competence in order to achieve excellence in “Made in Italy”.

MISSION

Our mission is to recognise and understand market needs so as to offer innovative ideas and solutions to match the requirements of an ever evolving world. Preserving and developing our knowledge that has been achieved in time by means of commitment, study and adaptability.

PURPOSE

Working every day so as to allow the development and the establishment of a more and more recognizable and unique model, that shall make it possible to merge different sectors and markets.



After its establishment in 2010, the Core Business LEM SRL, by means of the foundation of the Holding company, starts a project that, by joining different companies under a single intellectual property, promotes the constant development of different production models.

LEM INDUSTRIES SPA includes nowadays several leading companies in the field of high-fashion and luxury accessory manufacturing and processing. By sharing a cross-sectoral know-how, it stands out for its multifarious activities operating in several fields, such as the production of industrial plants, the recovery and refining of precious metals, the treatment of water and materials connected with graphene.

Dealing as an investor, the duty of LEM INDUSTRIES is not limited to answering the needs of the different markets, but it also includes supplying the Companies of the Group with the necessary services, so that they can perform their activities at best.

LEM INDUSTRIES offers itself as a top reference point, capable to provide strategic and operative support to the various Companies, by means of making use of the acquired experience and competence.

This approach favours an efficient synergy and promotes innovation and growth, both within the core sector of accessory surface treatment and within the other diversified sectors of activities.

SERVICES

- Administration, accounting and financial services
- Services regarding the management of human resources
- Services regarding the management of purchasing departments
- Compliance services
- Management control services
- ICT services
- Technical area services
- Marketing and communication services

+600 PEOPLE

Determination, knowledge, experience and willingness to be a part of something great, make of our people, those who work every day with love and passion, the real essence of the Group. They are the real soul of what we can today call LEM INDUSTRIES.

+10 COMPANY HEADQUARTERS

Starting from a single company, that was born and has grown in the area of Valdarno, the Group has come to include nowadays more than 10 companies that are specialized in different kind of working and manufacturing procedures, but that are all playing a fundamental role in answering the needs of ever changing markets, made up of more and more mindful, demanding and aware end-users.

+100M TURNOVER

More than one hundred million turnover is not just a number. It is the outcome of hard work, ambitions and, most of all, of the willingness to continually grow and improve.

INDUSTRIAL CRAFTSMANSHIP, OUR STORY



Our Group core business consists in Companies operating in the supply chain of the surface treatment of accessories for the fashion and luxury sectors.

Craftsmanship is at the heart of everything we do and we have a flair for industry.

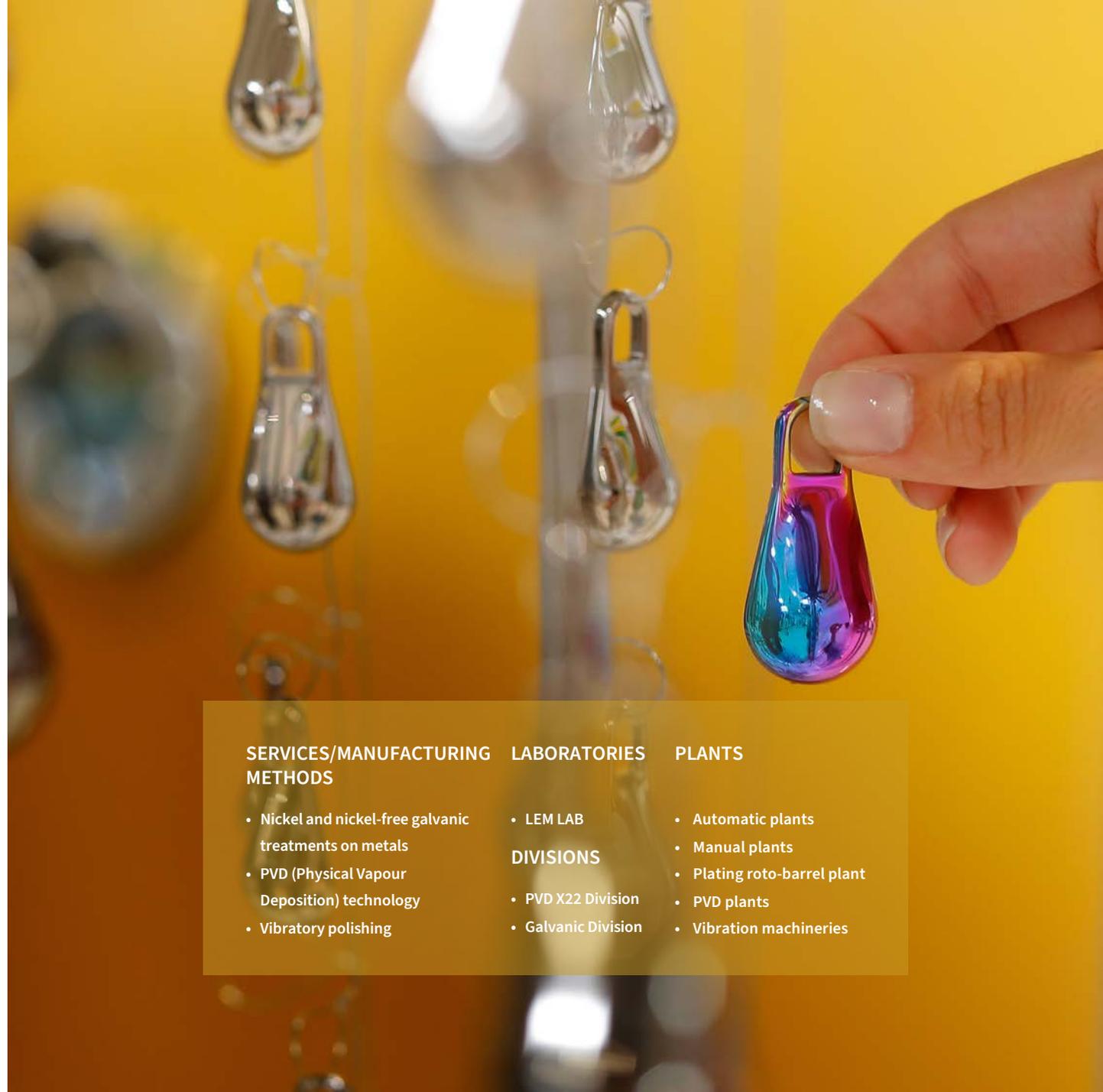


LEM, established in 1974 by Dino Franco Guldani and Franco Rosadini, has over time become a leading company in the field of galvanic treatments applied to the accessories of the most prestigious international fashion and luxury brands.

Rooted in the Valdarno area, LEM has always ascribed great value to human potential and to the centrality of persons, promoting and safeguarding “Made in Italy” manpower within the field of industrial production.

In recent years, LEM has accelerated its path towards reaching an excellence status within the accessories supply chain. This extraordinary progress was made possible thanks to the diversification and continuous expansion of the offered services. Among the above services, we can mention the creation of an internal analysis laboratory, the so-called “LEM LAB”, as well as a galvanic department equipped with three different types of plants – including the prestigious “Monster”, that is the biggest automatic nickel-free plant in Europe - and a department dedicated to PVD, that has made it possible to develop the X22 technology.

Nowadays the deep and extensive knowledge and competence of LEM in the field of the surface treatment of accessories, allows our company to offer itself as a partner for its customers, so as to find the best formula to satisfy their more specific needs.



SERVICES/MANUFACTURING METHODS

- Nickel and nickel-free galvanic treatments on metals
- PVD (Physical Vapour Deposition) technology
- Vibratory polishing

LABORATORIES

- LEM LAB

DIVISIONS

- PVD X22 Division
- Galvanic Division

PLANTS

- Automatic plants
- Manual plants
- Plating roto-barrel plant
- PVD plants
- Vibration machineries



TRE A, born in 1974 as a goldsmith industry, starts its activity by registering with the trademark 165 AR, and consolidating the early stage of its long story in the luxury world.

The Company has over the time decided to enter the sector of galvanic treatments, widening this way the range of fields in which to operate. Thanks to the acquired experience, it can today offer galvanic treatment services on fashion accessories and costume jewellery, keeping high quality standards.

By joining LEM INDUSTRIES in 2015, TRE A has increased the offered service range, becoming a leading supplier for those customers looking for cadmium-free, nickel-free and hypoallergenic products for fashion accessories and costume jewellery, excelling in quick response and delivery times as well as in high quality standards.

By means of the opening of the new state-of-the-art “Galileo” plant, the Company aims at further improving its production capacity in order to increasingly satisfy customers’ needs.



SERVICES/MANUFACTURING METHODS

- Nickel and nickel-free galvanic treatments on metals
- Vibratory polishing

PLANTS

- “Galileo” manual plant
- Vibratory polishing machines



DORATURA '84, a company established in 1984, is presently managed by the second generation of the family and it deals in the field of surface treatment of accessories, mainly focusing on galvanic treatments on metals and ABS.

The technological development and the will to constantly improve allowed DORATURA '84 to develop a completely nickel-free process to galvanize accessories in ABS, that is a widely used material in several industrial sectors.

By virtue of the conducted research studies our Company is currently the only enterprise in Italy that can grant a completely nickel-free process for galvanic treatment of ABS accessories.

DORATURA '84 has been a pioneering industry in this field, by introducing a process complying with the same quality standards as those required for metalworking.

This made it possible to comply with tender technical specifications and technical details required by customers in this sector, offering at the same time a safer alternative.



SERVICES/MANUFACTURING LABORATORIES PLANTS METHODS

- Nickel and nickel-free galvanic treatments on ABS and metals
- Vibratory polishing
- Electrostatic coating
- 2 testing laboratories
- Automatic and manual plant for ABS
- Manual plant for metals
- Automatic plating roto-barrel plant
- Vibratory polishing machines
- Electrostatic coating plant



TEKNOMET is a specialized company working in the field of painting of accessories and small metal parts for the fashion sector.

The strength of this company consists in bringing together the craftsmanship's competence of paint shop professionals with an industrial organization of workflows, in order to supply a customized painting service with tailor-made colours according to customer needs and complying with high quality standards.

In order to further improve its activity, TEKNOMET can avail itself of TEKNOLAB, an in-house chemical laboratory operating according to Acc-certified standards, granting this way a scientific base for the working processes.

The Company offers a wide range of finishing methods to choose from: transparent, semi-transparent painting, glossy and matt painting, covering painting, rubbery coating, metallic and iridescent painting.

These multifarious options make it possible to satisfy the different customers' needs in the fashion field.



SERVICES/PROCESSING METHODS

- Spray painting
 - Covering
 - Translucent
 - Rubberized
 - Materic
 - Special effects
 - Degradè
 - Fluorescent
 - Painting for plastic materials
- 2D Painting
 - Plate varnishing for small metal parts
- Cataphoretic painting

LABORATORIES

- TEKNOLAB



DELUXE BRASS

Since 2008 DELUXE BRASS has been offering its experience, commitment and dedication as well as its acquired know-how, providing high added-value services, distinguishing itself for its ability to perform different working processes, aiming at refining and making any single fashion and luxury accessory unique.

Thanks to a synergism between craftsman tradition and innovation, combining high manual abilities of highly competent craftsmen with cutting-edge technology, the Company is able to transform a raw accessory into a finished product according to extremely high quality standards.

DELUXE BRASS philosophy is based on prompt response to market needs, adjustment to the Sector demand, without ever losing touch with one's roots. Thanks to this proactive mindset, the Company is able to offer custom-design quality solutions, meeting customers' expectations and contributing to the success of the great fashion and luxury brands.

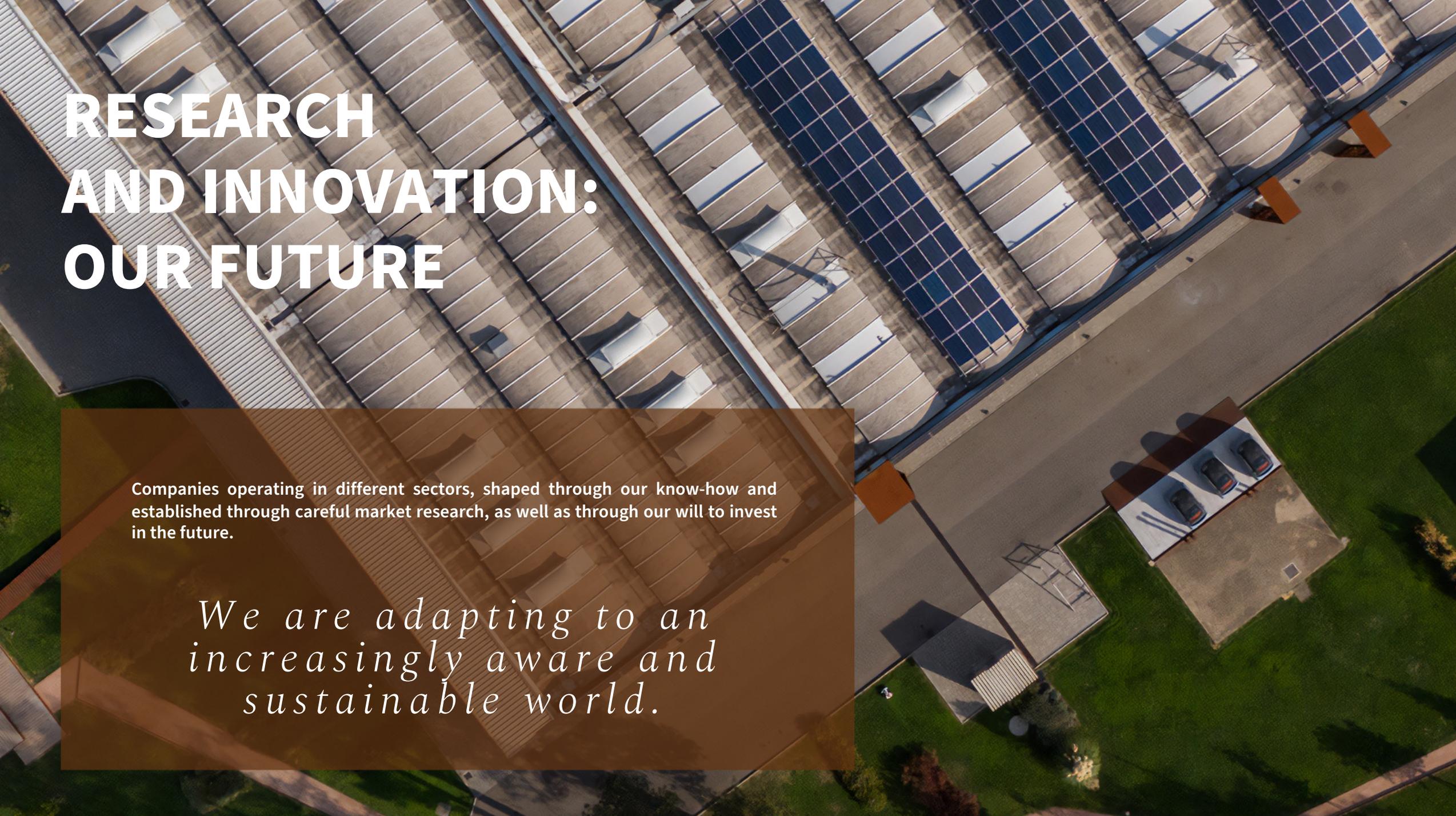


SERVICES/PROCESSING METHODS

- Vibro-finishing
- Sandblasting
- Strass application
- Enamelling
- Lasering
- Assembly
- Production of costume jewellery and trinkets

PLANTS

- Machines for lasering:
- 30W fiber laser source
 - 50W laser source
 - CO2 laser source
 - UV laser source
- Sandblasting machines:
- Glass microspheres
 - Corundum



RESEARCH AND INNOVATION: OUR FUTURE

Companies operating in different sectors, shaped through our know-how and established through careful market research, as well as through our will to invest in the future.

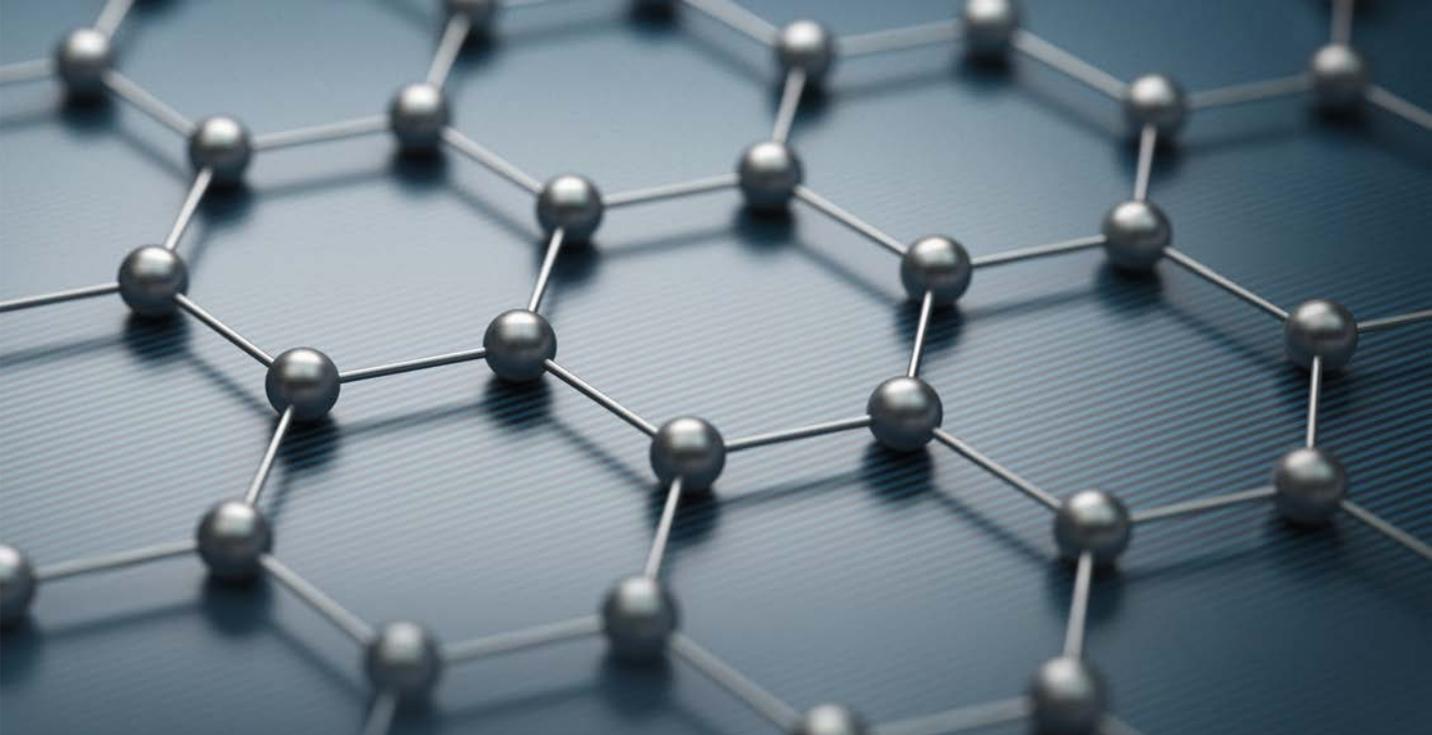
*We are adapting to an
increasingly aware and
sustainable world.*



NANESA was born and has been developing within a framework made up of young and talented researchers and technical experts with a success experience, who have been working day by day to offer their customers a unique and innovative product, using highly sustainable processes and cooperating in close contact with their research departments.

Thanks to its proprietary technology and to three R&D laboratories, NANESA has over the years consolidated its role as an ideal partner for all those companies willing to integrate graphene into their production processes and products.

NANESA mission and vision are in line with those of the European community that, during the last decade, has invested a huge quantity of resources so as to turn graphene from its status as a laboratorial experiment into an integral part of industrial products.



SERVICES/PROCESSING METHODS

- Production and marketing of different GRMs (Graphene/Graphite Related Materials)
- Development of methods and ad-hoc strategies to manufacture graphene-based products and for the integration of graphene into production processes

LABORATORIES

- Electrochemical laboratory for the development and control of Metal-Graphene composite materials
- Laboratory for the development of GRM-based formulas and for G-Paper prototyping

PLANTS

- Nanoplatelets production plant
- GRM production plants



BTT ITALIA has specialised in planning, realizing and maintaining plants for precious metals recovery and refining since 1979. It has over the years developed a substantial know-how as regards purifying methods for precious metals, by focusing on custom design and research of high-performance, safe and stable solutions for the industrial sector, goldsmithry, mining industries, WEEE and rare strategic earth metals recovery industries.

BTT ITALIA has revolutionized the market in this sector, by inventing the first rotating reactors and it is at present dealing with all processes connected with metal refining by means of pyrometallurgical, chemical and electrochemical systems.

SERVICES/PROCESSING METHODS

- Planning, production and installation of recovery and refining plants for precious metals
- Quality Control Testing
- Training of company staff
- Specialised maintenance service

PLANTS

- Refining, electrolysis and hollowing plants for the goldsmith's industry
- Precious metals refining plants for mines
- Precious metals recovery plants from WEEE and Catalysers
- Recovery plants for solar panels
- Recovery and refining plants for raw materials



Thanks to the multi-year experience of a team of specialised technical experts in the fields of industrial automation, galvanic processes and painting for fashion accessories, UBERPLANTS ITALIA deals with the planning and installation of galvanic plants, as well as with the treatment and industrial water treatment, making use of innovative and state-of-the-art technologies.

The acquired know-how, combined with constant training, makes it possible for UBERPLANTS ITALIA to develop simple and highly-performing technologically advanced solutions, planned in compliance with the companies' special requirements and respecting the environment.

SERVICES/PROCESSING METHODS

- Planning and construction of galvanic plants
- Planning and construction of water treatment plants
- Maintenance after-sale service and spare parts supply
- Production software for Galvanic processes, UPS (Uber Production System)

PLANTS

- Galvanic plants for jewellery and/or fashion accessories
- Plants for cataphoretic painting
- Plants for wastewater, special water, primary water, process water, vibratory water treatment
- Industrial washing plants



IZ RENEWABLE LUXURY commits itself to support fashion, watchmaking, jewellery brands in achieving their goals as regards sustainability by supplying access to raw materials, such as precious metals, extracted from disposed devices such as smartphones, tablets, computers and other electronic appliances.

In order to grant traceability and certification of materials, the Company has set up a private certification standard named iZ Precious®, granting access to a certified, transparent and traced supply-chain. Within the supply-chain system, electronic waste treatment centres and precious metals recovery plants commit themselves to as well develop social and eco-friendly projects.

A business reality willing to have a positive impact on our Planet, turning the issue of WEEE into an economic, social and environmental opportunity. One can this way contribute to the reduction of environmental impact, promoting the development of sustainable solutions.

iZ Renewable Luxury Srl. – SB is an innovative startup and a “benefit corporation” committed to promote circular flow economy models among not directly connected realities.

SERVICES

iZ Precious® Programme:

- Certification, traceability services as well as services supporting the development of social projects
- Development of circular flow economy platforms to create shared value for all involved stakeholders
- Through the NFT certification technology, iZ Precious® makes the ethical origin and the story of each recovered precious metal tangible





CAPE REFINING

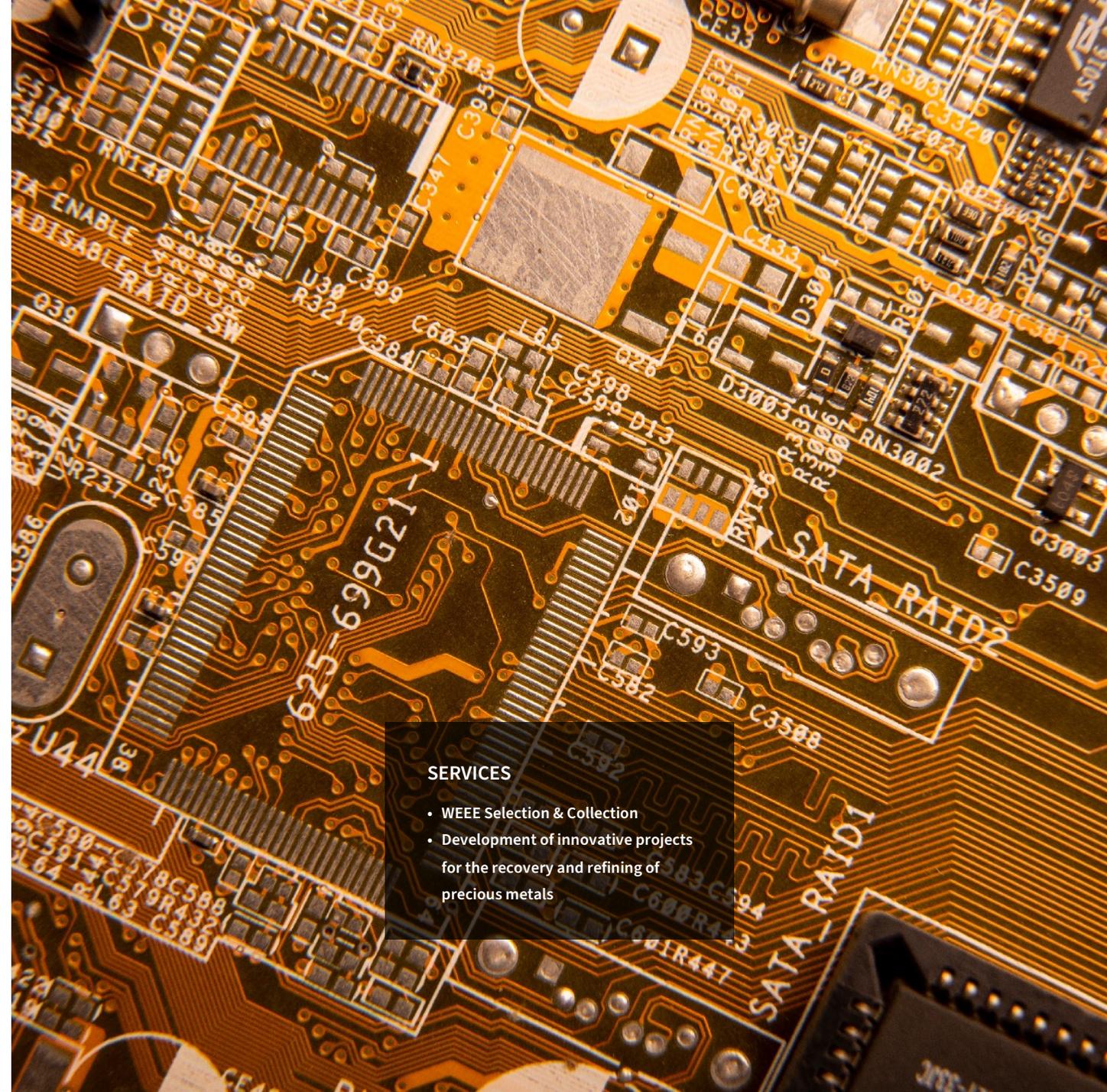
CAPE REFINING aims at promoting highly innovative projects within the framework of the sector connected with the recovery and refining of precious metals from WEEE. This concept, known as “Urban Mining”, represents a sustainable approach focusing on the recovery of precious resources from waste, avoiding invasive mining procedures and this way contributing to the preservation of natural resources.

One of its main goals, apart from the production of a positive impact onto its territory, is that of supporting the companies willing to promote sustainability, by offering them the opportunity to use metals coming from recycled sources.

CAPE REFINING (PTY) LTD – Sole Company with Head Office in Centurion (Gauteng Province) – intends to export the know-how of the LEM INDUSTRIES Group to develop projects of circular flow economy not only in South Africa, but also in the neighbouring countries of the African continent.

SERVICES

- WEEE Selection & Collection
- Development of innovative projects for the recovery and refining of precious metals



OUR VALUES



LEAN THINKING

Lean thinking is an approach the Group draws inspiration from by applying the 5 “S” at the base of this thinking, that is “Seiri”, “Seiton”, “Seinso”, “Seiketsu”, “Shitsuke”, adding a sixth “S” that is “Safety”.

This is an approach aiming at organizing production systems, eliminating anything unnecessary in order to make room for what is really needed, with the goal of achieving those objectives the Group is looking forward to by means of constant attention to details and of the management of workflows, reducing wastefulness, maximizing efficiency and building a safe and exciting working environment.

QUALITY OF THE MANUFACTURING METHODS

Any accessory is produced following and complying with high standards, both as regards quality and safety. Great craftsman abilities, state-of-the-art tools, constant tests and vertical laboratories for the different kinds of manufacturing methods, make it possible to achieve acknowledgeable results that can meet the high expectations and requirements of this Sector.

TRAINING

People are those who make a real difference. LEM INDUSTRIES, firmly believing in this, has always invested into the training of its staff and not only that.

Over the years, it has started the Executive CHEMALUX Master - in cooperation with the University of Siena - it is furthermore a member of the “ITS Energia e Ambiente” Foundation and it has organized training days for students of several academical courses of studies both at the sites and at the premises of the Group.

PROGRESS AND SUSTAINABILITY

Sustainability is not only an ethical must, but it represents as well an imperative need within the framework of the present market panorama. The Group long-term vision, in order to give birth to a cutting-edge industrial model, results into focused initiatives based on the territory, investments in technological innovation and support to the most promising startups.



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